

**§ 74.1205 Protection of channel 6 TV broadcast stations.**

The provisions of this section apply to all applications for construction permits for new or modified facilities for a noncommercial educational FM translator station on Channels 201–220, unless the application is accompanied by a written agreement between the NCE-FM translator applicant and each affected TV Channel 6 broadcast station licensee or permittee concurring with the proposed NCE-FM translator facility.

(a) An application for a construction permit for new or modified facilities for a noncommercial educational FM translator station operating on Channels 201–220 must include a showing that demonstrates compliance with paragraph (b), (c) or (d) of this section if it is within the following distances of a TV broadcast station which is authorized to operate on Channel 6.

FM Channel	Distance (kilometers)
201 .....	148
202 .....	146
203 .....	143
204 .....	141
205 .....	140
206 .....	137
207 .....	135
208 .....	135
209 .....	135
210 .....	135
211 .....	135
212 .....	135
213 .....	135
214 .....	134
215 .....	134
216 .....	133
217 .....	133
218 .....	132
219 .....	132
220 .....	131

(b) *Collocated stations.* An application for a noncommercial educational FM translator station operating on Channels 201–220 and located at 0.4 kilometer (approximately 0.25 mile) or less from a TV Channel 6 station will be accepted if it includes a certification that the applicant has coordinated its antenna with the affected TV station.

(c) *Contour overlap.* Except as provided in paragraph (b) of this section, an application for a noncommercial educational FM translator station operating on Channels 201–220 will not be accepted if the proposed operation would involve overlap of its inter-

ference field strength contour with any TV Channel 6 station's Grade B contour, as set forth below.

(1) The distances to the TV Channel 6 station Grade B (47 dBu) field strength contour will be predicted according to the procedures specified in § 73.684 of this chapter, using the F(50,50) curves in § 73.699, Figure 9 of this chapter.

(2) The distances to the applicable noncommercial educational FM translator interference contour will be predicted according to the procedures specified in § 74.1204(b) of this part.

(3) The applicable noncommercial educational FM translator interference contours are as follows:

FM channel	Interference Contour F(50,10) curves (dBu)
201 .....	54
202 .....	56
203 .....	59
204 .....	62
205 .....	64
206 .....	69
207 .....	73
208 .....	73
209 .....	73
210 .....	73
211 .....	73
212 .....	74
213 .....	75
214 .....	77
215 .....	78
216 .....	80
217 .....	81
218 .....	85
219 .....	88
220 .....	90

(d) FM translator stations authorized prior to June 1, 1991 with facilities that do not comply with the predicted interference protection provisions of this section, may continue to operate, provided that operation is in conformance with § 74.1203 regarding actual interference. Applications for major changes in FM translator stations must specify facilities that comply with the provisions of this section.

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**§ 74.1231 Purpose and permissible service.**

(a) FM translators provide a means whereby the signals of AM or FM